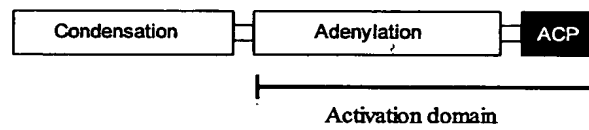
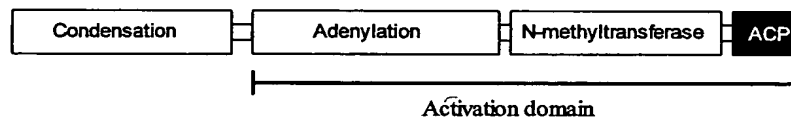


Figure 1: Module of a PPS and subdivision into functional domains

A: Minimal module of a PPS



B: Module with N-methyltransferase domain



2/7

Figure 2: Conversion of activation domains by inserting a N-methyltransferase domain

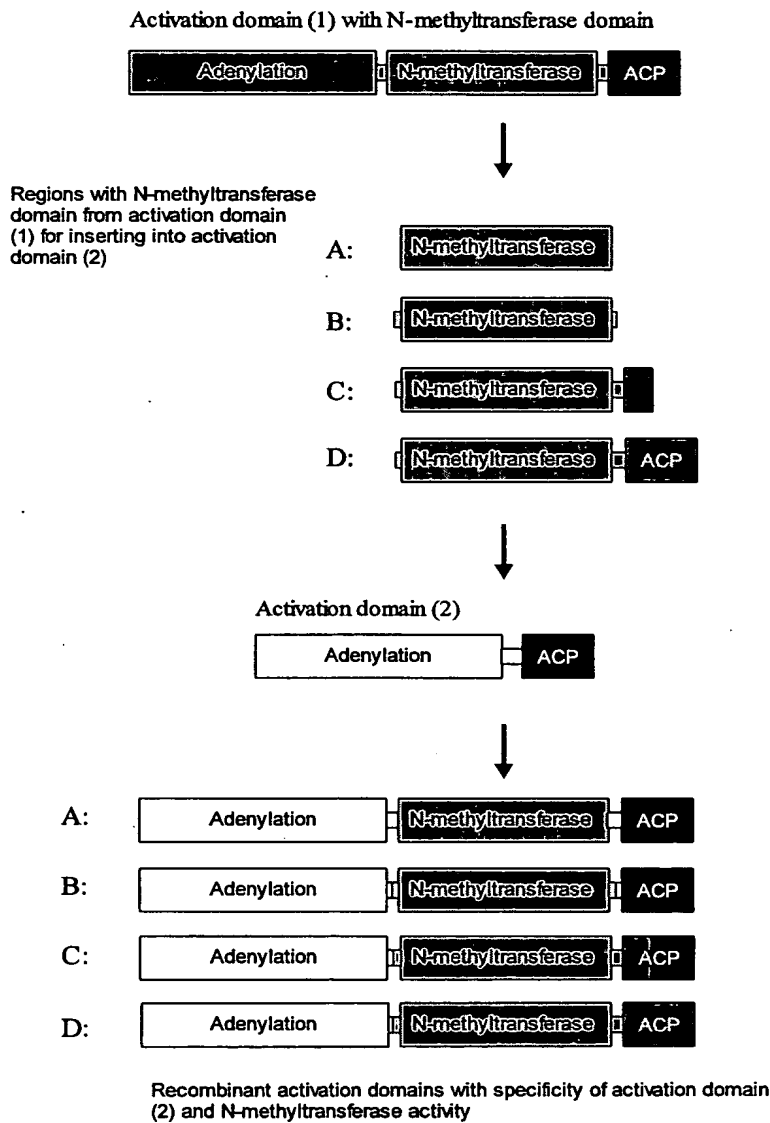
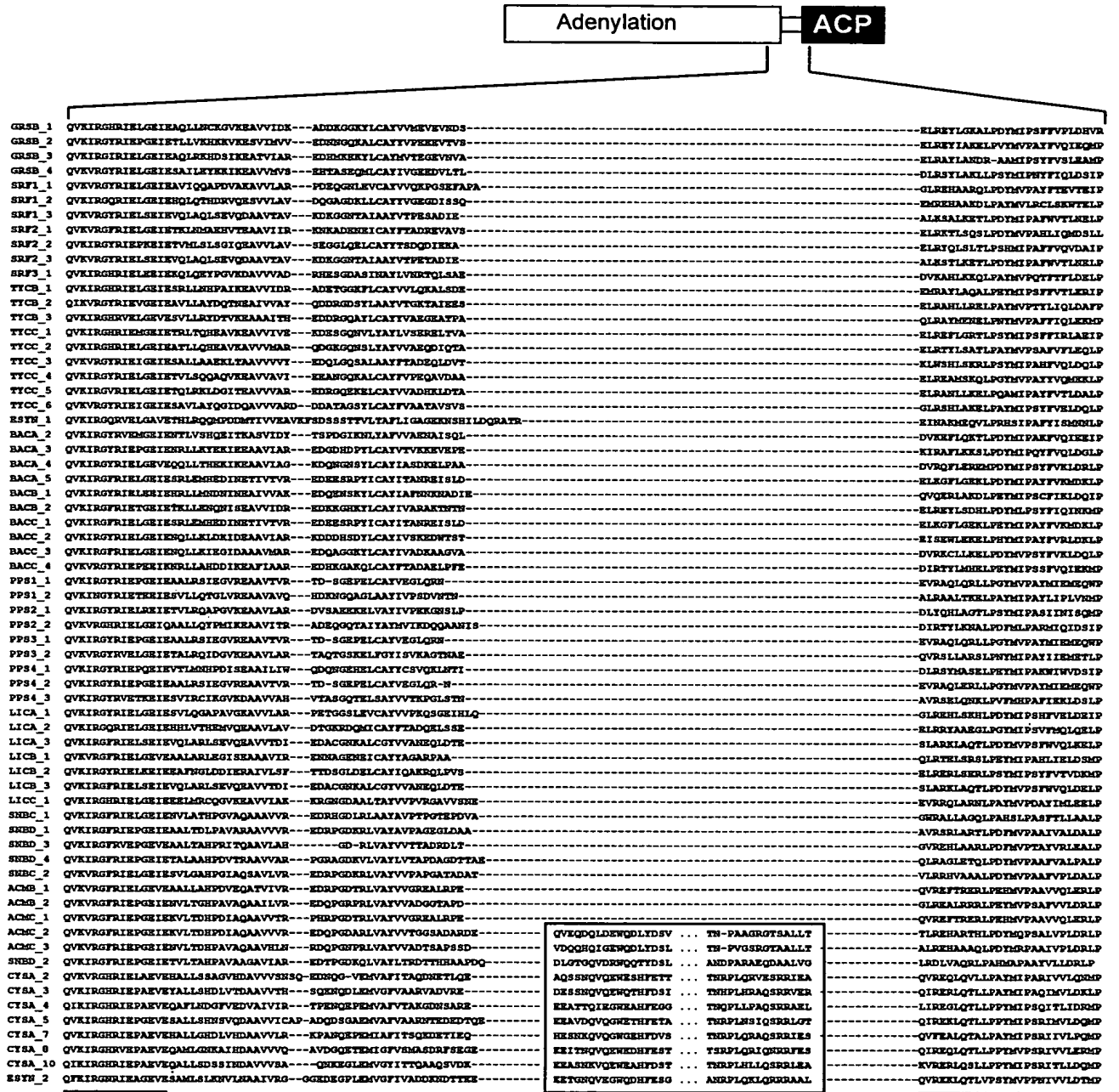


Fig. 3: Sequence comparison of selected activation domains at the transition towards the N-methyltransferase domains



3b/7

CYS A	Cyclosporine Synthetase from Tolypocladium niveum (Z28382)
GRS A,B	Gramicidin S Synthetase I,II from Bacillus brevis (P14687/P14688)
ACM B,C	Actinomycin Synthetase II,III from Streptomyces chrysomallus (AF047717 and attached sequence)
BAC A,B,C	Bacitracin Synthetase A,B,C from Bacillus licheniformis (AF007865)
TYC A,B,C	Tyrocidin Synthetase I,II,III from Bacillus brevis (AF004835)
LIC A,B,C	Lichenysin Synthetase A,B,C from Bacillus licheniformis (U95370)
ESYN	Enniatin Synthetase from Fusarium scirpi (Z18755: Update year 2000)
SNB C,D	Pristinamycin I Synthetase C,D from Streptomyces pristinaespiralis (Q54959,X98690)
SRF 1,2,3	Surfactin Synthetase 1,2,3 from Bacillus subtilis (P27206,Q04747,Q08787)
PPS 1,2,3,4	Fengycin Synthetase 1,2,3,4 from Bacillus subtilis (Z34883)

The index following the name designates the number of the activation domain within the corresponding PPS (started from the N-terminus). The data base numbers of the sequences in "GenBank" or "SwissProt" are given in parenthesis.

4/7

Figure 4: Starting plasmids for the construction according to the Examples

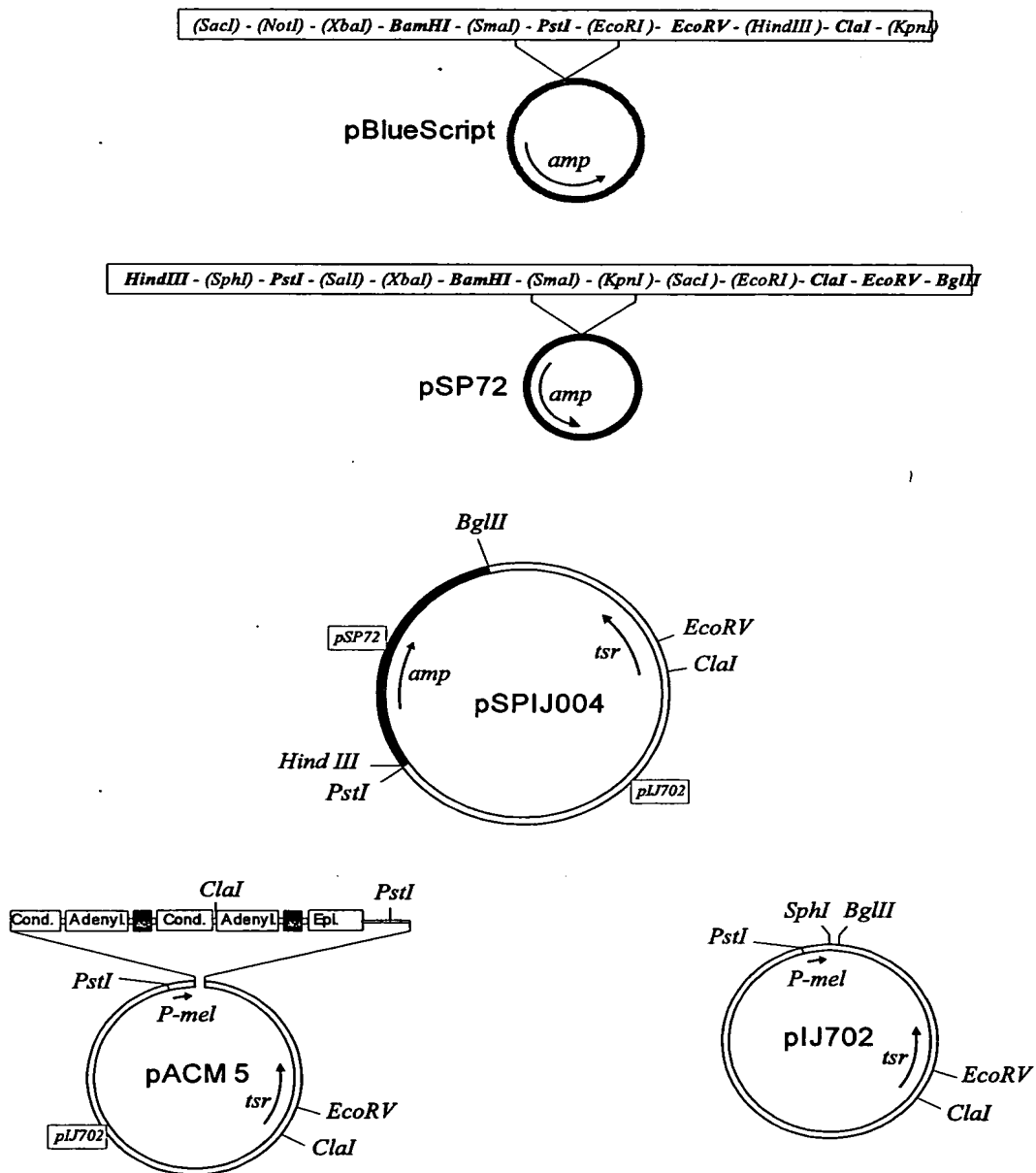
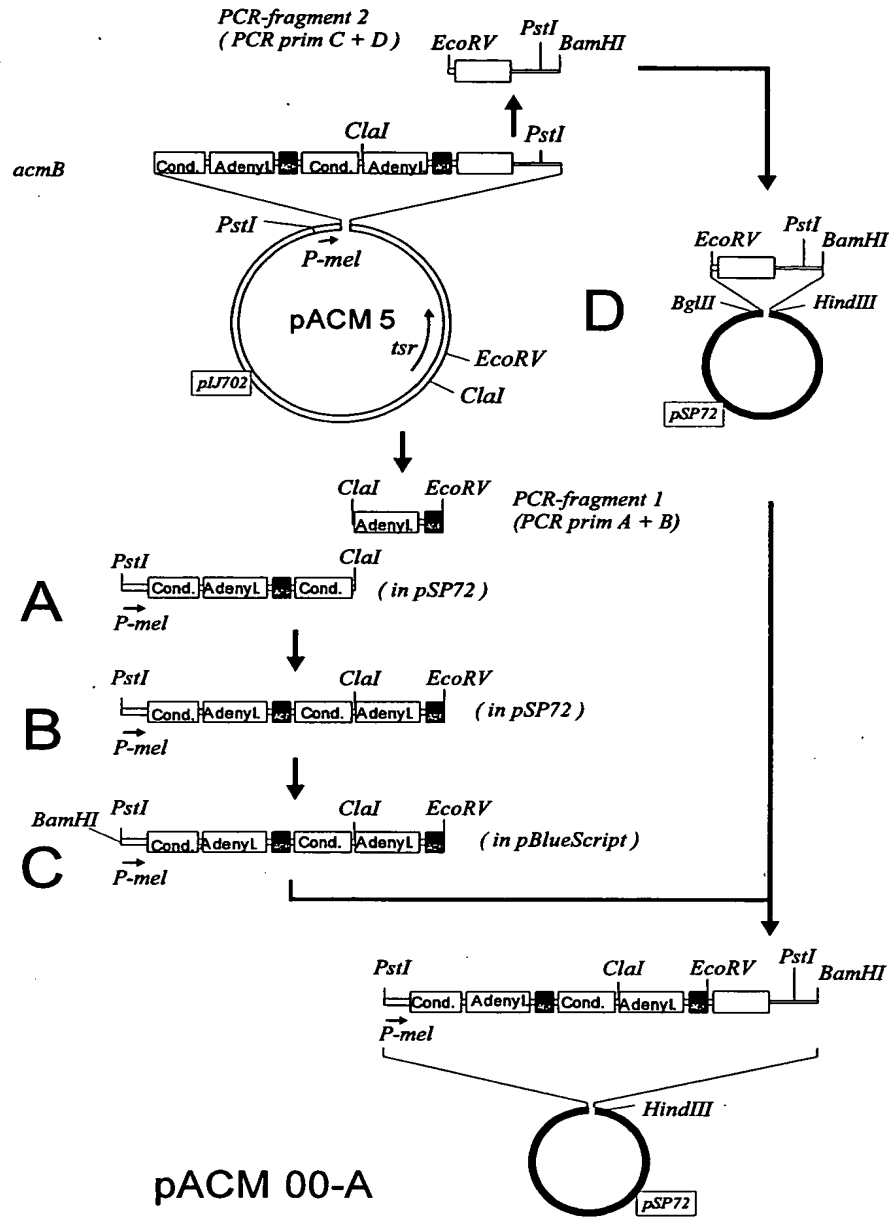


Figure 5: Introduction of an *EcoRV* restriction site into *acmB*



6/7

Figure 6: Cloning of *ClaI*-*EcoRV* cassettes for the construction of recombinant *acmB* genes

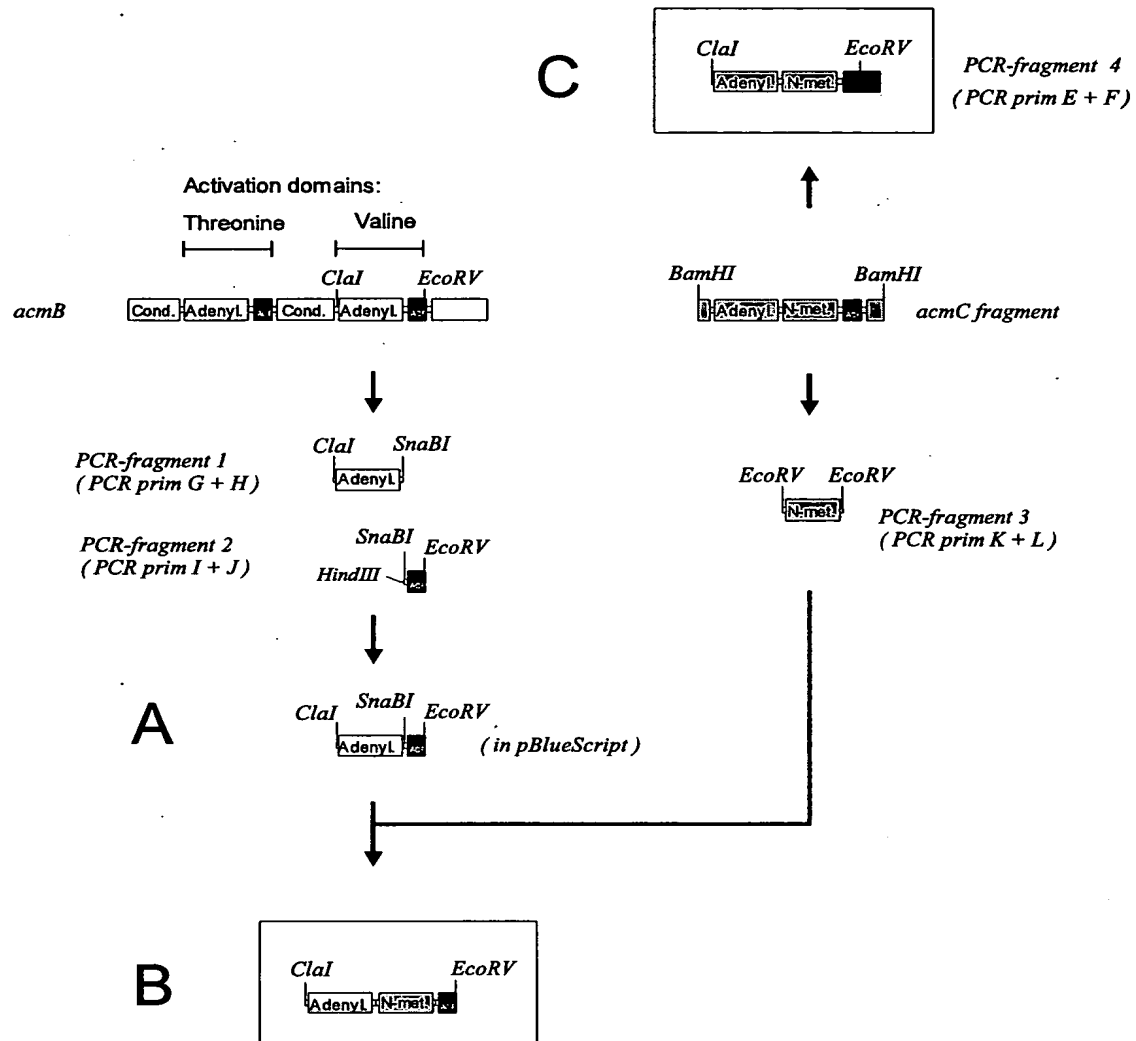


Figure 7: Plasmids for expression of the recombinant PPS genes

